

REMARKS/ARGUMENTS**I. Introduction**

This amendment is in response to the Office Action dated June 10, 2004. Claims 2, 19 and 36 have been canceled. Claims 7-17, 24-34 and 41-51 were allowed. New dependent claim 52 has been added. Accordingly, claims 7-17, 24-34 and 41-52 are now pending.

II. Rejections under 35 U.S.C. § 103

The Examiner rejected claims 2, 19 and 36 under 35 U.S.C. §103(a) as being obvious over Baum et al (US 5,867,478) in view of Dogan et al (US 6,018,317). Since claim 2, 19, and 36 have been canceled the rejections of claims 2, 19 and 36 are moot.

III. New Dependent Claim 52

New dependent claim 52, which is supported by the specification (see, e.g., page 2, lines 8-10) and therefore does not constitute new matter. Claim 52 includes the recitation "wherein said pilot tone hopping sequence generated by said sequence generator is a truncated Latin Square based hopping sequence". New dependent claim 52 depends from independent claim 7. Independent claim 7 was deemed allowable; therefore by virtue of its dependency dependent claim 52 should also be allowable.


IV. Conclusion

In view of the above amendments and remarks, it is respectfully submitted that that the pending claims are patentable and that the Application is in condition for allowance.

In the event that there are any outstanding issues which need to be resolved before the Examiner can allow the present application, it is requested that the Examiner call Applicant's undersigned representative to discuss said issues.

Respectfully submitted,

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